

ABSTRACT OF THE DISCLOSURE

A data transmission device for generating a plurality of compressed/encoded data of different bit rates from a single video signal, whereby unevenness in the amount of generated data can be easily reduced. A synchronizing signal detection section detects a synchronizing signal from the input video signal and supplies the detected signal to a timing control section. Compressing/encoding sections compress/encode the same video signal input thereto to generate data streams of different bit rates. The timing control section controls the compressing/encoding sections in accordance with the synchronizing signal detected by the synchronizing signal detection section such that timings for starting compression/encoding processes in the compressing/encoding sections are offset in units of frame. A multiplexing section generates fragmented packets carrying the individual data streams in accordance of amounts of data generated per unit time by the respective compressing/encoding sections, and sequentially transmits the fragmented packets at equal intervals within the unit time.